

MD 146 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

#### SIGNS

9,10  
R3-6  
30"x36"

12,13  
ONLY  
R3-5R  
30"x36"

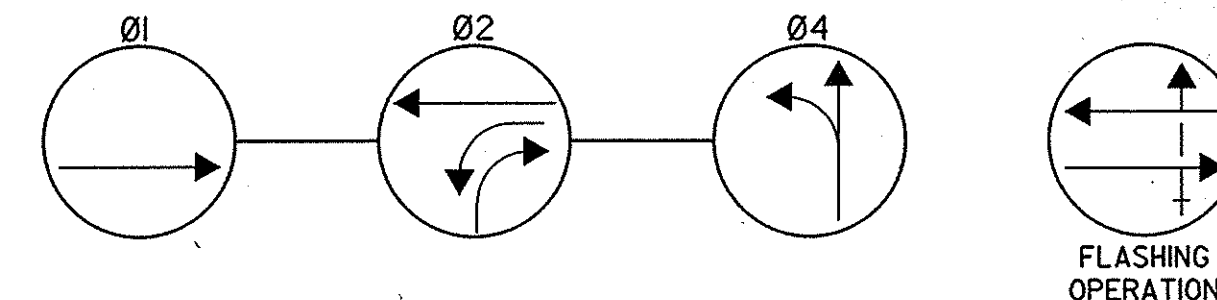
#### SIGNALS

2,4,5  
R  
Y  
G  
12"

1,3  
R  
Y  
G  
12"

6  
R  
Y  
G  
12"

#### NEMA PHASING



#### PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

#### NOTES:

1. FINAL GEOMETRICS AND GRADE SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
4. REFER TO DRAWING MOT-8 FOR PAVEMENT MARKING DETAILS.
5. WHEN INSTALLING THE SIGNAL HEADS, THE CONTRACTOR MUST LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC.
6. PROPOSED SIGNAL WORK WILL BE COMPLETED AS DIRECTED BY THE ENGINEER FOR STAGE 1C.
7. SIDE STREET PRESENT LOOP DETECTORS SHALL REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNTIL NEW LOOPS ARE IN PLACE AND CUT OVER IF POSSIBLE OR AS DIRECTED BY THE ENGINEER.
8. SIGNAL & SIGN LOCATIONS WILL BE AS DIRECTED BY THE ENGINEER DURING ALL STAGES CONSTRUCTION.
9. THE LEFT TURN ARROWS OF THE SIGNAL HEAD SHALL BE COVERED AS DIRECTED BY THE ENGINEER.
10. REWIRE THE CONTROLLER AS NEEDED.

**RK & K**  
**RUMMEL, KLEPPER  
& KAHL, LLP**  
CONSULTING ENGINEERS

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TEL: (410) 728-2900 FAX: (410) 383-3270

#### REVISIONS:

#### APPROVALS:

CHIEF SIGNAL DESIGN SECTION  
ASST. DISTRICT ENGINEER - TRAFFIC  
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION

Reconstructed Due To New  
Geometrics. SHA No. BA9775372  
November, 1998

DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 03014600.85

DRAWN BY: SMH  
DES. BY: DLA/SMH  
CHK. BY: BJH

MD 146 (DULANEY VALLEY ROAD) AT  
I-695 RAMPS/HAMPTON LANE  
SIGNAL PLAN

COUNTY: BALTIMORE

DATE: NOVEMBER, 1998 F.A.P. NO. SEE TITLE SHEET  
SCALE: 1"=20' S.H.A. NO. BA9775372

TS/STD. NO.: 454E-X1C-PS  
SHEET NO. 109 OF 155

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